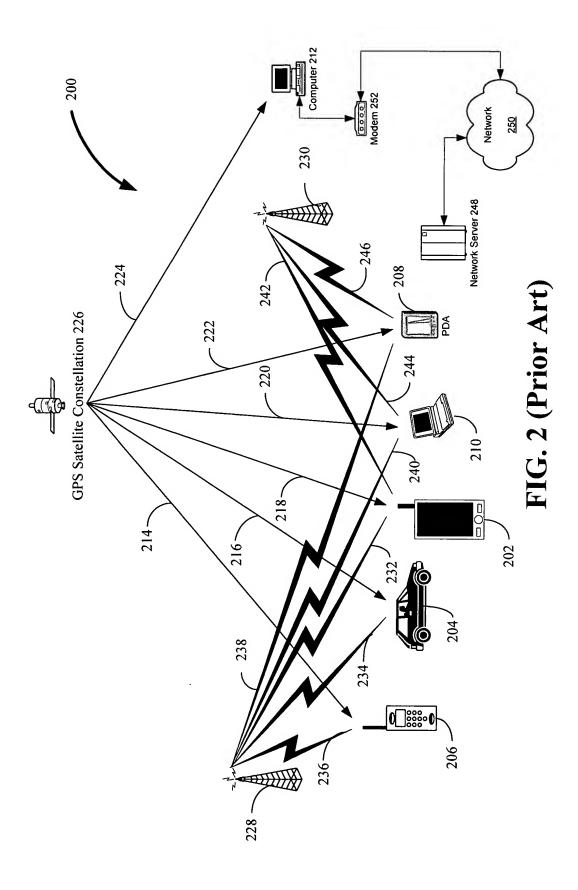


FIG. 1 (Prior Art)

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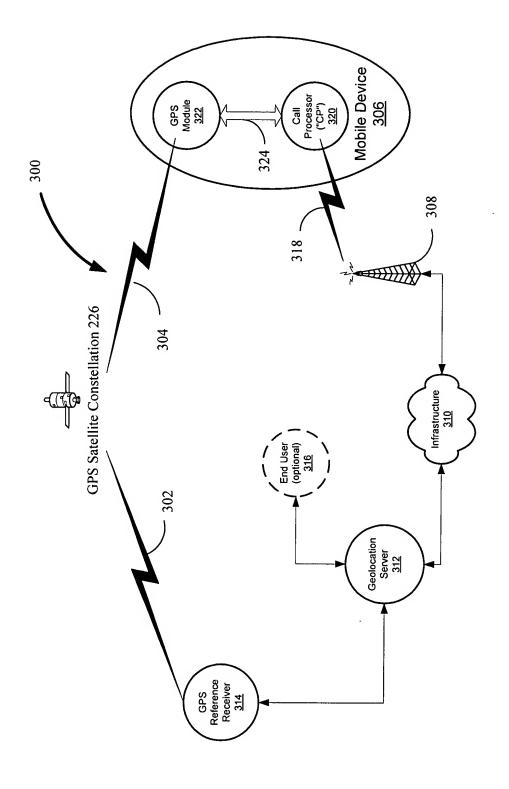


FIG. 3 (Prior Art)

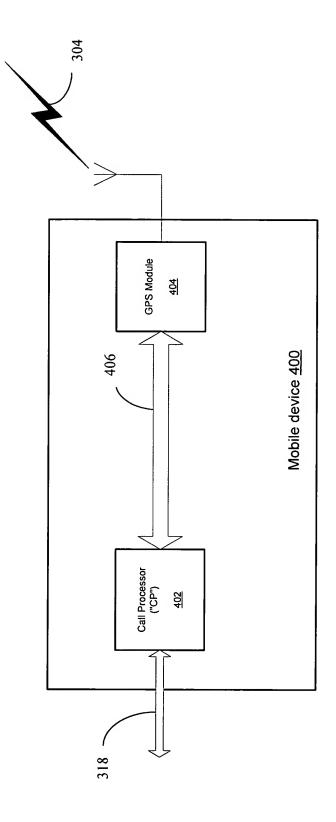


FIG. 4

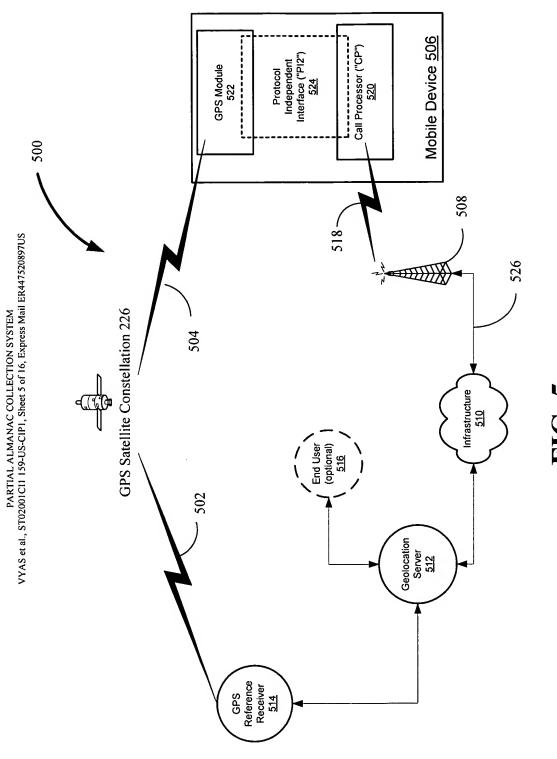


FIG. 5

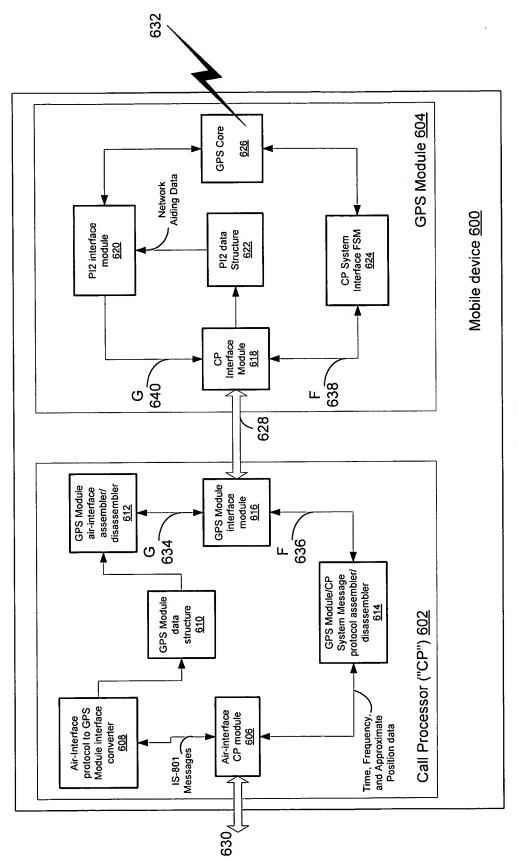


FIG. 6

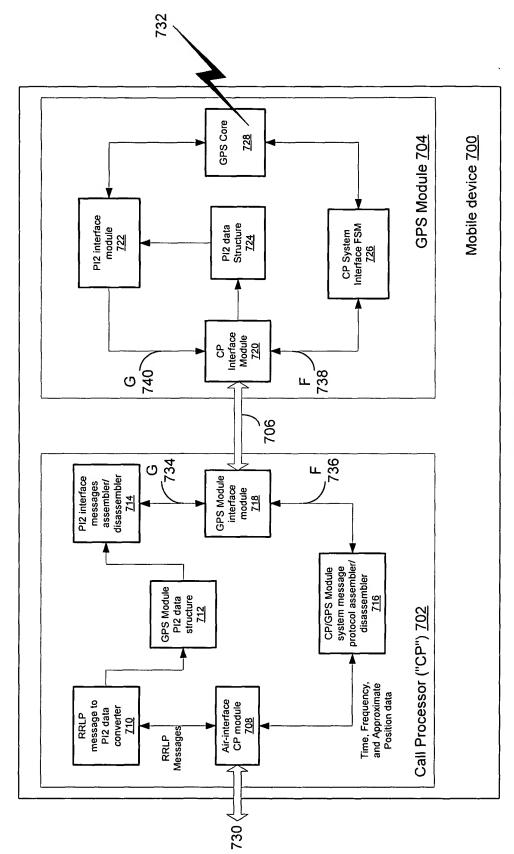


FIG. 7

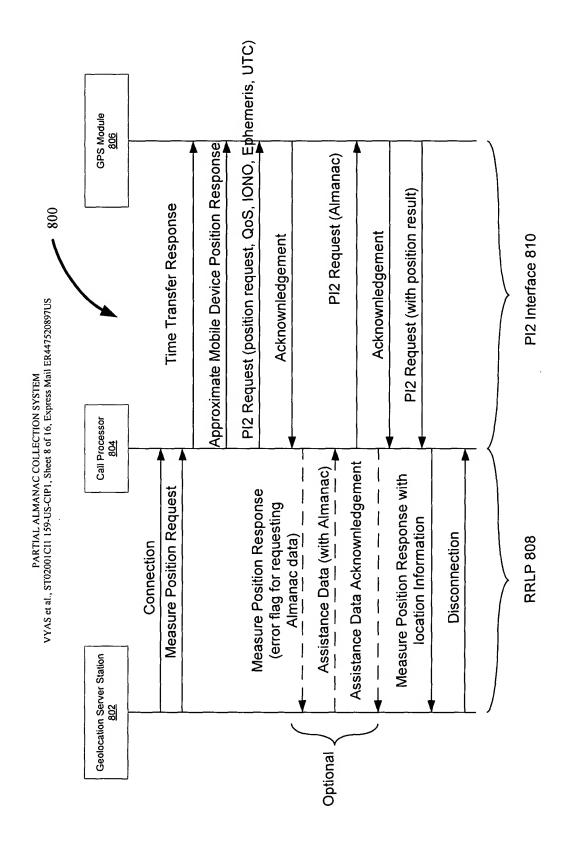


FIG. 8

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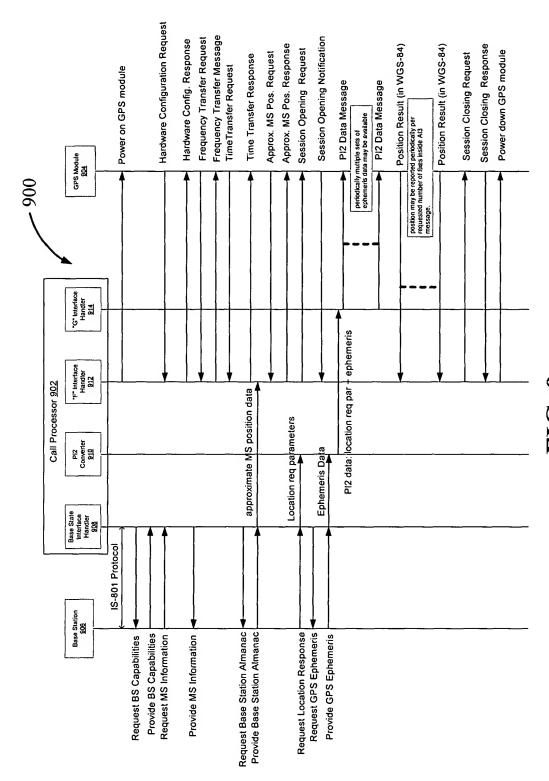
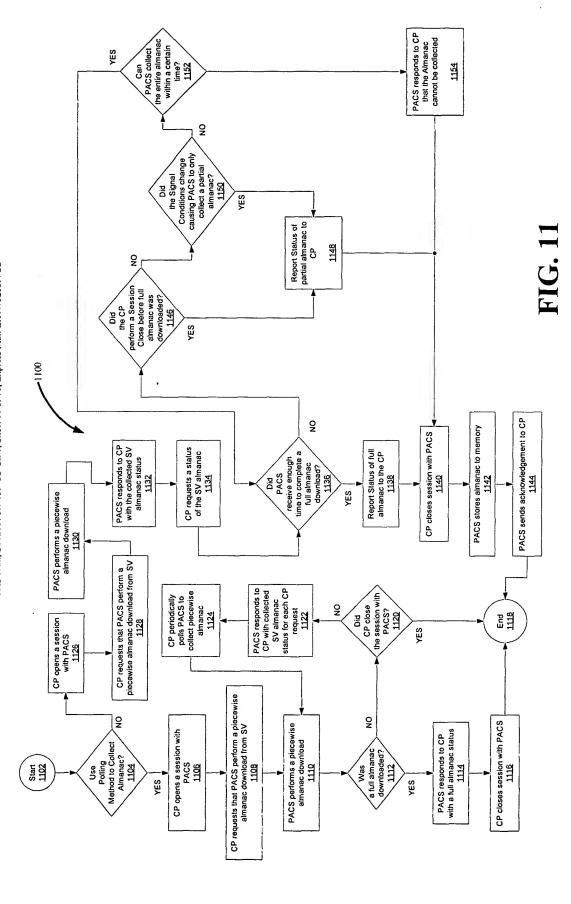


FIG. 9

FIG. 10

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GPS Constellation 1226 Receiving GPS Signals 1224 Receiving GPS Signals 1236-GPS Core Request for Almanac Received Almanac Data Received Almanac Data Received Almanac Data Received Almanac Data Request for Almanac Request for Almanac Request for Almanac 1248 Memory Device 1260 Store Almanac to Memory **PACS 1202** 1242 1218 -1238 ~ 1228 -1244 1240 -1246 1258 Controller 1216 Response for Almanac including PRN, TOA, & Week Number Response for Almanac including PRN, TOA, & Week Number Request for Piecewise Almanac Request for Piecewise Almanac Session Close Request Acknowledgment 1230 -1262 1250 -1256 Interface 1208 Session Open Request 1206 1212 Periodic Request for Piecewise Almanac 1232 Acknowledgment 1210 Session Close Request 1252 -Response for Almanac including PRN, TOA, & Week Number Response for Almanac including PRN, TOA, & Week Number 1234 1232 Request for Piecewise Almanac 1264 1254 -Acknowledgment Acknowledgment Call Processor ("CP") 1204 Repeat

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FIG. 12

GPS Constellation 1326 1300 Receiving GPS Signals Receiving GPS Signals 1324/ 1336 GPS Core 1320 Request for Almanac Received Almanac Data Received Almanac Data Received Almanac Data Received Almanac Data Request for Almanac Request for Almanac PARTIAL ALMANAC COLLECTION SYSTEM VYAS et al., ST02001CI1 159-US-CIP1, Sheet 13 of 16, Express Mail ER447520897US Request for Almanac Memory Device 1360 Store Almanac to Memory 1318 1342 1328 1338 1344 1340 1346 1348 PACS 1302 1358 -Controller 1316 Response for Almanac including PRN, TOA, & Week Number Request for Almanac Respond with Almanac Data Session Close Request Request for Almanac Acknowledgment Status 1356 1362 1350 1330 Interface 1308 1312
Request for Almanac Acknowledgment Respond with Almanac Data Status Request for Almanac Session Close Request Session Open Request 1322 Response for Almanac including PRN, TOA, & Week Number Acknowledgment Acknowledgment 1354 / 1364 1310 1334 1306 1332 / 1352 / Call Processor ("CP") 1304

FIG. 13

GPS Constellation 1426 Receiving GPS Signals Receiving GPS Signals 1430 / 1424 GPS Core 1420 Request for Almanac Request for Almanac Received Almanac Data Received Almanac Data 1434 1428 / Memory Device 1452 Store Almanac to Memory 1418 **PACS** 1402 1432 1450 Controller 1416 Respond with Almanac Data Status Response for Almanac including PRN, TOA, & Week Number Session Close Request Request for Almanac Acknowledgment 1414 1454 / 1446 / 1438 Interface 1408 Response for Almanac including PRN, TOA, & Week Number Request for Almanac Acknowledgment Respond with Almanac Data Status Session Open Request Request for Almanac Session Close Request Acknowledgment Acknowledgment 1436 / 1420 1412/ 1456 1406 1448 1410 1442 1444 Call Processor ("CP") 1404

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FIG. 14

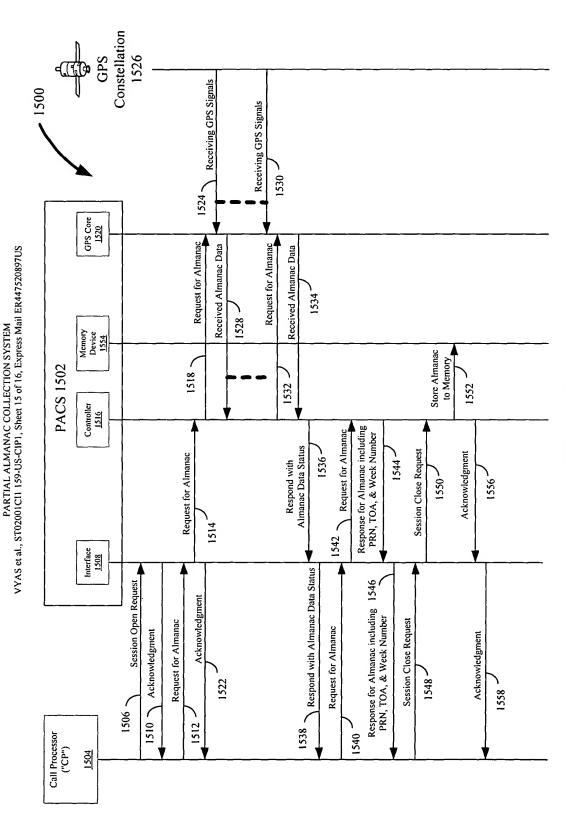


FIG. 15

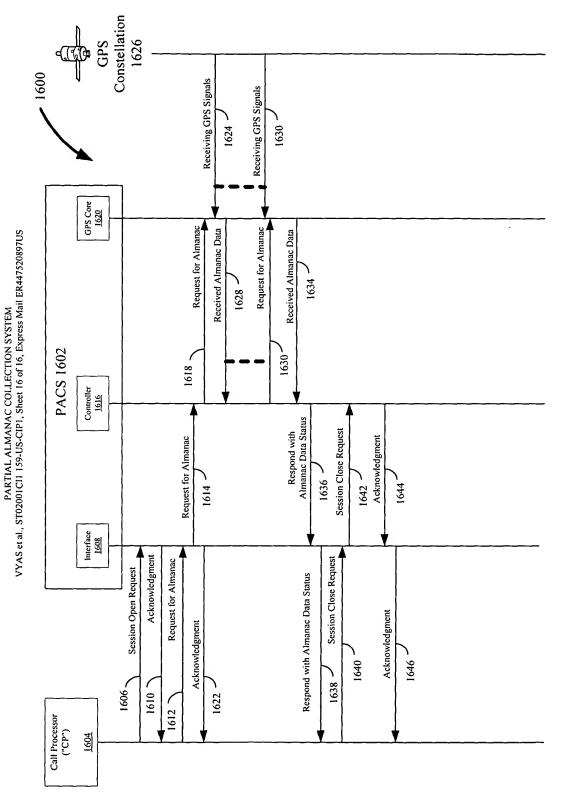


FIG. 16